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TI Asbestos-free **calcium silicate** structural **insulating** elements
IN Rovnanik, Eduard; Lejsek, Lubomir; Franc, Vladimir; Jusko, Frantisek; Hronsky, Jan
PA Czech.
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AB The elements, based on the thermal reaction of silicates and calcareous components and reinforced with dispersed fibers, comprise **lime** and/or hydrated **lime** 25-40, sand (sp. surface area .gtoreq.350 m2/kg; .ltoreq.15% having diam. >0.065 mm) 20-40, expanded perlite (bulk d. .ltoreq.100 kg/m3; .gtoreq.50% having diam. .ltoreq.0.25 mm) 5-30, SiO2 fume 2-10, and cellulose pulp 2-12 wt. parts. Optionally, the elements contain .ltoreq.8 wt. parts alkali-resistant inorg. fibers.
ST **calcium silicate** building material; **lime** calcium hydroxide **calcium silicate**; sand **calcium silicate** building material; expanded perlite **calcium silicate**; vitreous **silica** fume **calcium silicate**; cellulose pulp **calcium**